Date:

Tuesday, 11/21/2006 1:15:45 PM

User:

Kim Johnston

Process Sheet

Customer

: CU-DAR001 Dart Helicopters Services

Job Number **Estimate Number** : 29607

: 10058

P.O. Number

:NA

This Issue

: 11/21/2006

: NC

Prsht Rev. First Issue **Previous Run**

: NA : 28215

S.O. No. : NA

Type

: PURCHASED PARTS

Part Number

Drawing Name

: D2622120C

: STEP EXTRUSION

Drawing Number

: D2622 REV C1

Project Number

: N/A

Drawing Revision

: C1

Material **Due Date**

: NA : 12/10/2006

Qty:

110 Um:

Each

Written By

Checked & Approved By

Comment

: Est.

02.11.12

New Issue KJ/RF

Additional Product

Job Number:



Seq. #:

Machine Or Operation:

Description:

CLO6/11/22

1.0 PG



PURCHASING



Comment: PURCHASING

2537 Issue P/O:

a) Extrude as per Dwg D2622 Rev. C

b) Material: 6061-T6 (QQ-A-200/8)

c) Minimum yield tensile strength = 35 ksi d) Minimum ultimate tensile strength = 38 ksi

e) Minimum elongation = 8%

f) Order at 120" longg) Bon L Canada Inc. tool #897123 Rev. A

h) To be packed per DSK 066

i) Pull test to ASTM standard B221 required.

j) Material certification is required

2.0

D2622120CP

Extrusion









1.0000 Each(s)/Unit Total: 110.0000 Each(s)



PACKAGING 1 3.0

PACKAGING RESOURCE #1









Comment: PACKAGING RESOURCE #1

Receive & Inspect For Transit Damage

Ensure material certification is attached

4.0 QC6







Comment: DIMENSIONAL CHECK

Inspect dimension per Dwg D2622

Check Pull test per Dwg D2622 for compliance page attached

Check hardness with Webster tester

Dart Ae	rospac	e Ltd						i	
W/O:			WC	ORK ORDER CHANGES	3				
DATE	STEP	PR	OCEDURE CHA	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
				*					
								i	
Part No	•	PAR #:	Fault Cate	gory:	NCR: Yes	No DQA		Date: <u>\(\)</u>	7101/22
	\\ 				QA: N	C Closed	l:	_ Date: _	
NCR:			WORK ORDE	R NON-CONFORMAN	CE (NCR)		:	
DATE	STEP	Description of NC Section A	Initial Chief Eng	Corrective Action Section Action Description Chief Eng	Sign & Date			Approval Chief Eng	Approval QC Inspector
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NOTE: Date & initial all entries

Date: User:

Tuesday, 11/21/2006 1:15:45 PM

Kim Johnston

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: STEP EXTRUSION

Job Number: 29607

Part Number: D2622120C

Job Number:



Seq. #:

Machine Or Operation:

Description:

5.0

PACKAGING 1

PACKAGING RESOURCE #1

6.0

Comment: PACKAGING RESOURCE #1

Identify and Stock Location: on He RACK

QC21



FINAL INSPECTION/W/O RELEASE





Comment: FINAL INSPECTION/W/O RELEASE

Job Completion



U 0701.72

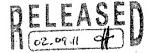
Dart Ae	rospace Li	td							
W/O:			V	VORK ORDER CHANGES					
DATE	STEP	PRO	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector		
		,		# ·					
Part No	·	PAR #:	Fault Ca	tegory: NO	CR: Yes	No DQA	:	_ Date: _	· · · · · · · · · · · · · · · · · · ·
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NCR:		V	VORK OR	DER NON-CONFORMANC	E (NCF	R)		Į.	
DATE	STEP	Description of NC Section A	Initial Chief Eng	Corrective Action Section B Action Description Chief Eng	Sign &		ification ection C	Approval Chief Eng	Approval QC Inspector
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NOTE: Date & initial all entries





DESIG	KE	DRAWN BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
CHEC	KED IN	APPROVED	DRAWING NO. REV. C
	#	9	D2622 SHEET 1 OF 1
DATE	***************************************	A	TITLE SCALE
02.0	09.11		STEP EXTRUSION 1:1
Α		96.11.29	NEW ISSUE
В		97.12.12	CHANGE MATERIAL, ADD TOL. QSI
С		02.09.11	0.080 WAS 0.085; ADD PART & DIE No.
77	100	07 10 014	Ann 'on A' TO DIC MILLION



	CT THE CAP SOLITO	TO THE REAL TO BE I	44.
	3.000		
		R0.285	
0.958		0.080	
2.500			
\\	1	R2.085	
60.4* (REF)		0.248 (REF))
	€ 1.193	R0.585	
-	— 1.874 (REF) —	-	

D2622-XXX STEP EXTRUSION

- 1) PART NUMBER IS D2622-XXX WHERE 'XXX' IS CUT LENGTH IN INCHES (EG. D2622-120 IS 120" LONG)
- 2) MATERIAL 6061-T6 (QQ-A-200/8)
- 3) MANUFACTURED USING BON-L DIE # 897123 REV. A
- 4) A SAMPLE FROM EACH BATCH WILL BE PULL TESTED TO ASTM STANDARD B221 BY AN APPROVED TESTING FACILITY TO ENSURE THAT THE BATCH MEETS THE MINIMUM MECHANICAL PROPERTIES STATED BELOW:

MINIMUM TENSILE YIELD STRENGTH = 35 ksi MINIMUM ULTIMATE TENSILE STRENGTH = 38 ksi MINIMUM ELONGATION = 8% SHOP COPY

RETURN TO

ENGINEERING

UNCONTROLLED COPY
SUBJECT TO AMENDMENT

WITHOUT NOTICE

- 5) PART IS SYMMETRIC ABOUT CENTERLINE
- 6) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 7) ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED

1,00

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CERTIFICATE OF COMPLIANCE

BON L CANADA INC

500 EDWARD AVENUE RICHMOND HILL, ON L4C 4Y9

Cert Date	Cert No	Sales Order	Page
01/03/07	152884	49192	1 🗁
Care PO	R/L No	Los	Date
2537	00329951	49192020	1/03/07

DART AEROSPACE LTD. 1270 ABERDEEN ST. HAWKESBURY, ON K6A 1K7

DART AEROSPACE LTD. 1270 ABERDEEN ST. HAWKESBURY, ON K6A 1K7

Item No	Part No I	tem Description		Cust Part
2.000	DAA-897123-1	120" Mill 6061 T6	-//	D2622
Gross Weight	520 KG	S		
Net City	492 KG	119 PC .	363 M	2 PKG

Specification Die Desc AMS-QQ-A-200/8 & ASTM B221-00

Mechan Test No.		sile		Y MPA	ield / KSI	*	Elonga [.]	tion	Cond	uctivi		nd/ ift HREW
Chemica	al Ana	lysis:	MN	273.8 /	/ 39.7.	NI	ZN	10.2)	тт	.0 ZR	92 OTHER
						••••	••••			•	ZR	
. 65	. 30	.27	. 06	.88	. 06	.006	. 15	.000	.009	. 02	.000	.00

This will certify that the material described herein has been inspected and tested in accordance with Bon L Canada's standard sampling and testing procedures or in accordance with the requirements of any specifications forming a part of the material description to the extent indicated herein. Data of chemical composition for the material and test results from samples representative of the material are set forth above hereof or in any attachments hereto. This information shows that the material meets the applicable requirements. Inspection and test records are maintained on file. This certificate shall be deemed apart of and subject to the terms and conditions of warranty set forth on the reverse side of our order acknowledgement form. No other warranties are applicable.

Ritchie Bisnauth, QA Manager Signed for Bon L Canada